PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SCOTT A. GUELCHER	09/14/2008
VISHAL PATEL	09/25/2008
JEFFREY O. HOLLINGER	11/20/2007
JONATHAN DIDIER	11/20/2007

RECEIVING PARTY DATA

Name:	CARNEGIE MELLON UNIVERSITY
Street Address:	5000 FORBES AVENUE
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15213

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	60625380
Application Number:	11667090
PCT Number:	US0539810

CORRESPONDENCE DATA

Fax Number: (412)338-6611

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 4123388632

Email: hbartony@bartlaw.com

Correspondent Name: HENRY E BARTONY JR

Address Line 1: 437 GRANT STREET

Address Line 2: FRICK BUILDING SUITE 1806

Address Line 4: PITTSBURGH, PENNSYLVANIA 15219

ATTORNEY DOCKET NUMBER: 05-029

PATENT

REEL: 021667 FRAME: 0681

JP \$120.00 6062538

500673180

NAME OF SUBMITTER: Henry E. Bartony, Jr.

Total Attachments: 6

source=AssignExec_05-029P-05-029-05-029PCT#page1.tif source=AssignExec_05-029P-05-029-05-029PCT#page2.tif source=AssignExec_05-029P-05-029-05-029PCT#page3.tif source=AssignExec_05-029P-05-029-05-029PCT#page4.tif source=AssignExec_05-029P-05-029-05-029PCT#page5.tif source=AssignExec_05-029P-05-029-05-029PCT#page6.tif

PATENT REEL: 021667 FRAME: 0682

ASSIGNMENT OF INVENTION

In consideration of the rights and obligations of the ASSIGNOR(S) and of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR(S):

Inventor(s) or
person(s) or
entity(ies) who own the
invention

Scott A. Guelcher (TYPE OR PRINT NAME(S) OF ASSIGNOR(S)) 3127 Vera Valley Road ADDRESS Franklin, Tennessee 37064 ADDRESS NATIONALITY 2. Vishal Patel (TYPE OR PRINT NAME(S) OF ASSIGNOR(S)) 2273 Grandview Avenue ADDRESS Cleveland Heights, Ohio 44106 ADDRESS NATIONALITY Jeffrey O. Hollinger
(TYPE OR PRINT NAME(S) OF ASSIGNOR(S)) 3. 2164 Grandeur Drive ADDRESS Gibsonia, Pennsylvania 15044 ADDRESS NATIONALITY Jonathan Didier (TYPE OR PRINT NAME(S) OF ASSIGNOR(S)) 5812 Fifth Avenue, Apt. C2 ADDRESS Pittsburgh, Pennsylvania 15232 ADDRESS

hereby sell, assigns and transfer to

NATIONALITY

(d) [X] U.S. application no. $\underline{11/667,090}$

filed on May 4, 2007

(e)	[x]	<u> </u>
		filed on November 5, 2005
(f)	[]	U.S. patent noissued
		[] A change of address to which correspondence is to be sent

regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

(g) [X] and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for the Inventions by the above applications or any continuation, division, renewal, or substitute thereof, and as to Letters Patent, any reissue or re-examination thereof.

ASSIGNOR(S) hereby covenant that no assignment, sale, grant, mortgage, license, encumbrance or other agreement affecting the rights and property herein conveyed has been or will be made or entered into, and that ASSIGNOR(S) have the full right to convey the same.

ASSIGNOR(S) further agree that when requested, without charge to, but at the expense of ASSIGNEE, that ASSIGNOR(S) will: 1) execute, for all countries, all divisions, reissues, reexaminations, continuations, renewals, extensions and all other patent applications on any and all of the Inventions; 2) execute all rightful oaths and other papers; 3) communicate all facts known to ASSIGNOR(S) relating to the Inventions and the history thereof; 4) testify in all legal proceedings; and 5) generally do everything possible which Assignee, its successors, assigns and representatives shall consider desirable for aiding in securing, maintaining and/or enforcing ASSIGNEE'S rights and patent protection in said Inventions, and for vesting title therein in ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR(S) further agree that ASSIGNEE shall have and to hold the interests assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, reexaminations, continuations, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by ${\it ASSIGNOR}(S)$ had this assignment not been made.

ASSIGNOR(S) further authorize and request the United States Commissioner of Patent and Trademarks and any corresponding foreign officer to issue to ASSIGNEE, its successors, assigns and legal representatives, any and all United States and foreign Letters Patent on the Inventions.

This Assignment of Invention may be executed by the parties in multiple counterparts, each of which shall be deemed an original.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal the signing indicated below.

WARNING: THE DATE OF SIGNING MUST BE THE SAME AS THE DATE OF EXECUTION OF THE APPLICATION, IF ITEM (A) WAS CHECKED ABOVE.

	Luxen
Signature of Witness	Scott A. Guelcher
Name of Witness Date:	Date: 9/14/09
Signature of Witness	Vishal Patel
Name of Witness Date:	Date:
Signature of Witness	Jeffrey O. Hollinger
Name of Witness Date:	Date:
Signature of Witness	Jonathan Didier
Name of Witness Date:	Date:
(if ASSIGNOR is a leg	gal entity, complete the following information)
	(TYPE OR PRINT THE NAME OF THE ABOVE PERSON AUTHORIZED TO SIGN ON BEHALF OF ASSIGNOR)
	Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

[] Notarization or Legalization Page Added.

(Assignment of Invention [16-3]-page 4 of 4)

IN WITNESS WHEREOF, I/We have hereunto set hand and seal the signing indicated below.

WARNING: THE DATE OF SIGNING MUST BE THE SAME AS THE DATE OF EXECUTION OF THE APPLICATION, IF ITEM (A) WAS CHECKED ABOVE.

Signature of Witness	Scott A. Guelcher
Name of Witness Date:	Date:
Signature of Witness	Vishal Patel
Hame of Witness Date:	Date: 9/25/08
ignature of Witness	Jeffrey O. Hollinger
Jame of Witness Date:	Date:
ignature of Witness	Jonathan Didier
ame of Witness ate:	Date:
(if ASSIGNOR is a leg	gal entity, complete the following information)
	(TYPE OR PRINT THE NAME OF THE ABOVE PERSON AUTHORIZED TO SIGN ON BEHALF OF ASSIGNOR)
	Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

[] Notarization or Legalization Page Added.

(Assignment of Invention [16-3]-page 4 of 4)

IN WITNESS WHEREOF, I/We have hereunto set hand and seal the signing indicated below.

WARNING: THE DATE OF SIGNING MUST BE THE SAME AS THE DATE OF EXECUTION OF THE APPLICATION, IF ITEM (A) WAS CHECKED ABOVE.

Signature of Witness	Scott A. Guelcher
Name of Witness Date:	Date:
Signature of Witness	Vishal Patel
Name of Witness Date:	Date:
Signature of Witness	Jefffey G. Hollinger
Name of Witness Date:	Date: 20 No / 0 7
Signature of Witness	Jogathan Didier
Name of Witness Date:	Date: 11/20/07

(if ASSIGNOR is a legal entity, complete the following information)

(TYPE OR PRINT THE NAME OF THE ABOVE PERSON AUTHORIZED TO SIGN ON BEHALF OF ASSIGNOR)

Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

[] Notarization or Legalization Page Added.

(Assignment of Invention [16-3]-page 4 of 4)